

DIN EN 1630:2016-03 (E)

Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Test method for the determination of resistance to manual burglary attempts (includes Amendment A1:2015)

Contents		Page
European foreword		4
1	Scope	6
2	Normative references	6
3	Terms and definitions	7
4	Apparatus and test team	8
4.1	Test rig	8
4.2	Test team	8
4.2.1	Personnel	8
4.2.2	Composition of the test team	8
4.2.3	Essential capabilities of the test team members	8
4.2.4	Training	9
4.3	Measurement and recording devices	9
4.3.1	Measuring equipment	9
4.3.2	Video recording	9
4.4	Tolerances	10
4.5	Sub-frame	10
5	Test specimen	10
5.1	General	10
5.2	Preparation and examination of the specimen	11
6	Procedure	12
6.1	General	12
6.2	Test room climate	12
6.3	Areas of attack	12
6.3.1	General	12
6.3.2	Construction products with moving elements	12
6.3.3	Fixed construction products	12
6.4	Attack side and attack height	13
6.5	Pre-test	13
6.6	Main test	13
6.7	Failure criteria	13
7	Tool sets	14
7.1	General	14
7.2	Tool set A1 resistance class 1 (see Figure A.1) - Application of the tool set A1 in resistance class 1	14
7.3	Tool set A2 resistance class 2 (see Figure A.2) - Application of the tool set A2 in resistance class 2	15
7.4	Tool set A3 resistance class 3 (see Figure A.3) - Application of the tool set A3 in resistance class 3	15
7.5	Tool set A4 resistance class 4 (see Figure A.4) - Application of the tool set A4 in resistance class 4	16
7.6	Tool set A5 resistance class 5 (see Figure A.5) - Application of the tool set A5 in resistance class 5	16

7.7	Tool set A6 resistance class 6 (see Figure A.6) - Application of the tool set A6 in resistance class 6	17
8	Test report	17
Annex A (normative) Tool sets		19
A.1	Tool set A1	19
A.2	Tool set A2	20
A.3	Tool set A3	21
A.4	Tool set A4	22
A.5	Tool set A5	23
A.6	Tool set A6	24
Annex B (normative) Test sequence for manual test of resistance classes 2 to 6		25
B.1	Test sequence for manual test of resistance classes 2 to 6	25
Annex C (normative) Example of test equipment Dimensions in mm		26
Annex D (informative) Examples of mounting arrangements		27
D.1	Examples of mounting arrangements for doorsets	27
D.2	Examples of mounting arrangements for windows	29
D.3	Examples of mounting arrangements for wing and folding shutters	30
D.4	Examples of mounting arrangements for guide rails and roller shutters into the test rig ..	33
D.5	Examples of mounting arrangements for grilles into the test rig	36
Bibliography		37